Craft ROBO Pro Ⅱ (CE3000-40-CRP)

Supplementary User's Manual

CE3000CRP-UM-551, 1st edition
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The following items have been added to the CE3000-40.

Chapter 1 PAUSE Menu List

Chapter 2 Folding Line Settings

Selecting the Cutter Pen Condition Setting

Folding Line Settings

Chapter 3 Print & Cut Operations

3.1 Using the Illustrator Plug-in to Perform a Print & Cut Operation

3.2 Using ROBO Master Pro to Perform a Print and Cut Operation (Windows)

How to Cut a Template from the ROBO Master Template Collection

Chapter 4 Carrier Sheet (for Affixing Media for Cutting)

4.1 Outline

Usage Precautions

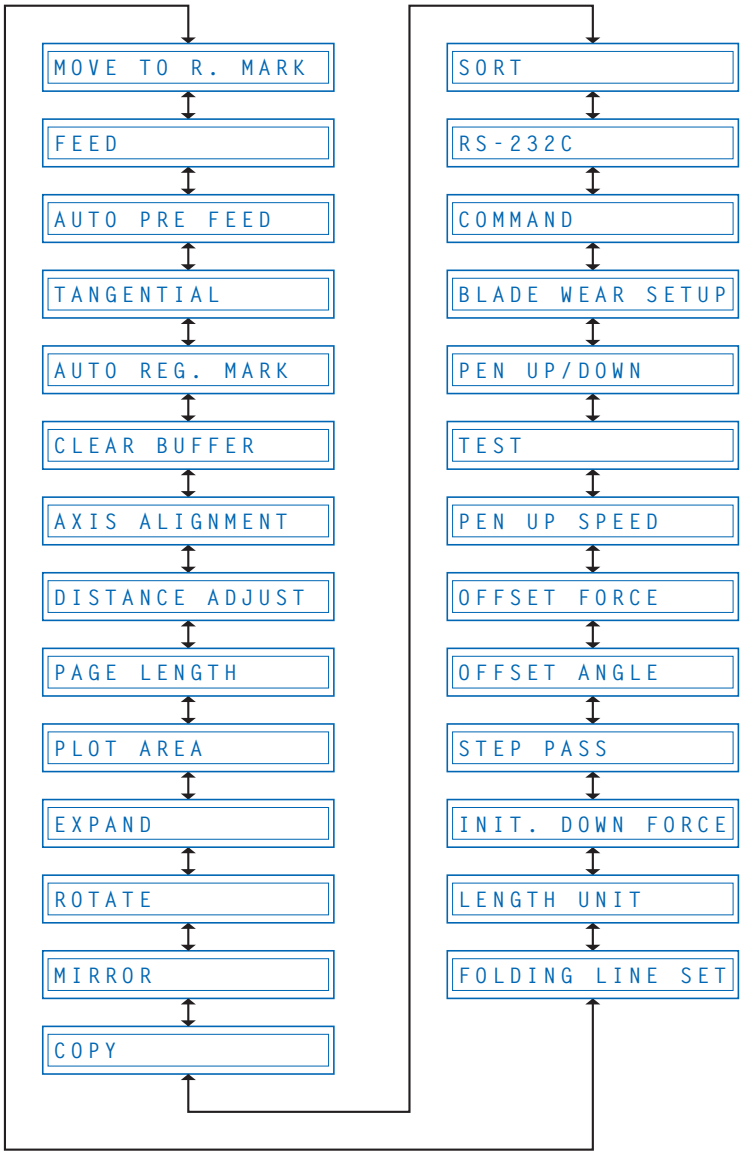
4.2 Loading the Medium

How to load a medium with a width of less than 297mm

4.3 Cuttable Area

Chapter 1 PAUSE Menu List

Pressing the **(PAUSE) key** in READY mode displays the PAUSE menu, enabling the various settings to be made. Select the required menu by scrolling through the list using the **(NEXT)** or **(PREV.) key**.



Note: This menu is only displayed when "ON" has been specified at the B.W.S. (Blade Wear Setup) submenu in the Special Functions menu.

Chapter 2 Folding Line Settings

The Craft ROBO Pro cuts broken lines (perforated lines) to be used as the lines for folding. Use this function to create folding lines for use in paper crafts and similar applications. Select Cond. No. 8 in the cutter pen condition setting area and make the settings in the PAUSE menu. If ROBO Master Pro is used to perform output from the Craft ROBO Pro II model, this setting is not required.

Selecting the Cutter Pen Condition Setting

With Craft ROBO Pro, the Folding Line Settings are made at Cond. No. 8 in the cutter pen condition setting area. To select the condition number, press the **(COND.) key** when the plotter is the READY status to display the cutter pen condition settings, select the registered Cond. No. 8, and then press the **(ENTER) key**.

Folding Line Settings

- **CUT width**
  This parameter specifies the width of the cut portions of the folding line (broken line). The CUT width can be specified in the range from 0.1 to 100.0 mm.
  Initial value: 2.0 mm
- **SPACING width**
  This parameter specifies the width of the uncut portions of the folding line (broken line). The SPACING width can be specified in the range from 0.0 to 100.0 mm. If 0.0 mm is selected, the folding line becomes a cut line.
  Initial value: 4.0 mm

(1) Press the **(PAUSE) key** to switch to PAUSE mode.

(2) Press the **(NEXT)** or **(PREV.) key** until the following menu is displayed.

```
FOLDING LINE SET
```

(3) Press the **(ENTER) key** to display the CUT width menu. Specify the desired CUT width.

mm display

```
CUT          002.0mm
```

inch display

```
CUT          0.080"
```

(4) Use the and **keys** to move the cursor to the digit to be changed, use the and **keys** to raise or lower the value, and then press the **(ENTER) key** to confirm. To cancel, press the **(NEXT)** or **(PREV.) key**.

(5) Next, the SPACING width menu is displayed. Specify the desired SPACING width.

mm display

```
SPACING   004.0mm
```

inch display

```
SPACING    0.155"
```

(6) Use the and **keys** to move the cursor to the digit to be changed, use the and **keys** to raise or lower the value, and then press the **(ENTER) key** to confirm. To cancel, press the **(NEXT)** or **(PREV.) key**.

CHECKPOINT

- This setting is retained in the internal memory even when the power is turned off.
- The Folding Line Settings can only be specified for Cond. No. 8.

Chapter 3 Print & Cut Operations

3.1 Using the Illustrator Plug-in to Perform a Print & Cut Operation

If Cond. No. 8 has been selected for the cutter pen condition setting area at the Craft ROBO Pro, dotted line commands (folding line specifications) received from an external source are ignored. Select another condition number to enable output to be performed.

(1) Draw a rectangle in Illustrator to indicate the registration mark area. With the rectangle that was drawn in the selected status, select the [File] menu → [Cutting Master] → "Create Registration Marks" to create the registration marks.

(2) Create a design within the registration mark area. When creating data to use for folding lines for paper crafts or similar applications, create the lines for cutting and the lines for folding on separate layers.

(3) Print out the design together with the registration marks.

CHECKPOINT

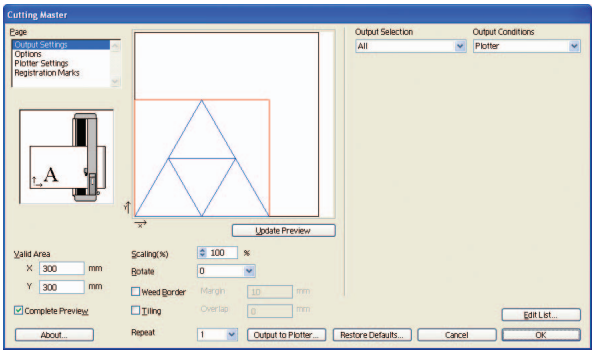
Do not use the Enlarge or Reduce functions when printing out your design.

(4) Load the printed sheet in the Craft ROBO Pro, and raise the media set lever at the rear of the unit to hold the printed sheet in place. The currently loaded media type is displayed on the Craft ROBO Pro's control panel. Use the ▲ or ▼ **keys** to select "Sheet", and then press the ↵ **(ENTER) key**.

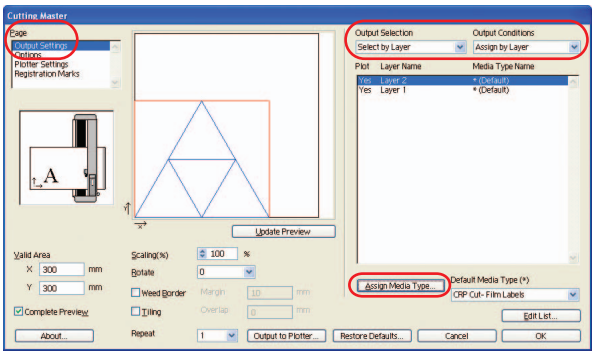
CHECKPOINT

If the printed sheet is a sheet of cutting film or a medium that comes with its own backing sheet, load the sheet as is. For all other types of media, be sure to affix the printed sheet to the carrier sheet provided before loading it in the Craft ROBO Pro.

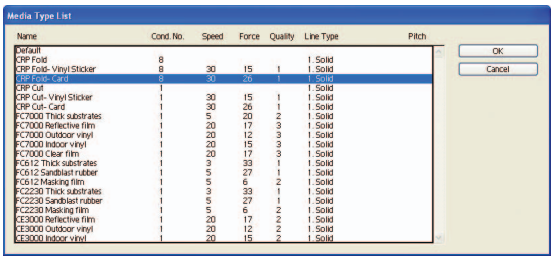
(5) In Illustrator, select the [File] menu → [Cutting Master] → "Output Settings" to display the [Cutting Master] window.



(6) Select "Output Settings" from the list under Page

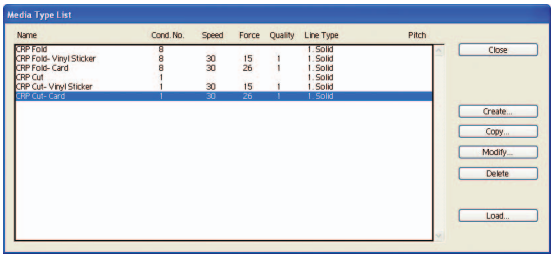


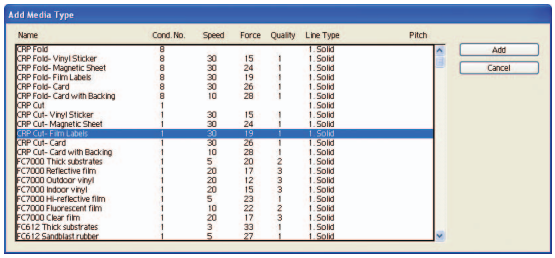
To output the cutting lines and the folding lines simultaneously, select "Select by Layer" for "Output Selection" and "Assign by Layer" for "Output Conditions". (If folding lines are not used, proceed to the next step.) Select a layer name from the displayed list, and then click the "Assign Media Type" button to display the [Media Type List] window.



The settings for various media types are displayed in the list. Select the setting that you wish to use.

- Assign the same settings as those of the Cond. No. you plan to use to the Cut layer. If there are no settings for the media type you plan to use in the "Media Type List", return to the [Cutting Master] window and click the [Edit List] button to display the [Media Type List] window. Click the [Load] button, and either add a media type from the [Add Media Type] window, or use the [Create], [Copy], and [Modify] buttons to create a Media Type setting.



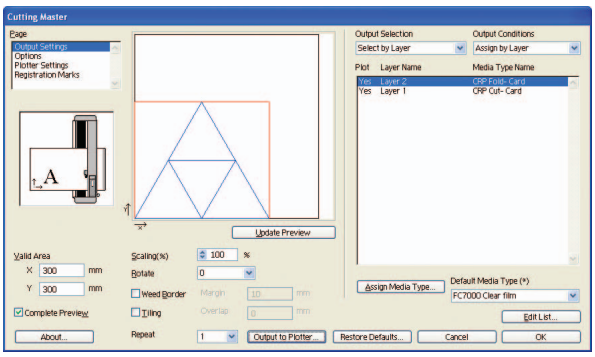


CHECKPOINT

The number of buttons displayed in the [Media Type List] window varies according to the method used to display the window. To select a setting from the window, click the [Assign Media Type] button in the [Cutting Master] window. To modify, create, copy or delete a setting, click the [Edit List] button in the [Cutting Master] window to display the [Media Type List] window.

- Assign the Cond. No. 8 settings to the Fold layer.
  If the Cond. No. 8 settings are not displayed in the "Media Type List", return to the [Cutting Master] window and click the [Edit List] button to display the [Media Type List] window. Use the [Copy] button to copy the settings for the media type that you plan to use, and then set the Cond. No. to "8".

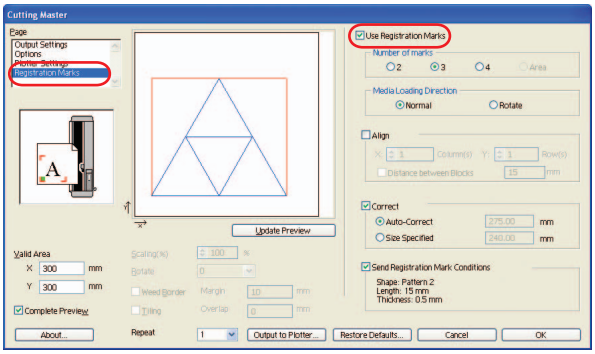
When the layer assignments have been completed, the layer assignment settings are displayed in the [Cutting Master] window.



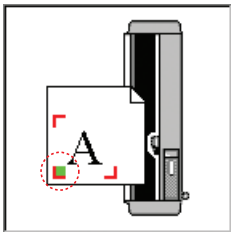
CHECKPOINT

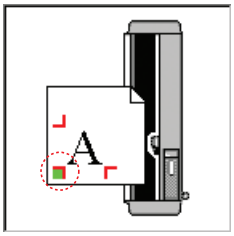
See the Cutting Master User's Manual for further details on the various settings.

(7) Select "Registration Marks" from the list under "Page" in the [Cutting Master] window and then select the "Use Registration Marks" checkbox.



(8) Use the ◀ ▶ ▲ ▼ **keys** on the Craft ROBO Pro's control panel to move the blade tip within the area shaded green in the following illustrations.





CHECKPOINT

If On has been selected for "Auto Registration Mark Reading", registration marks are read within a fixed area. Please refer to "Registration Mark Reading Settings" in the CE3000Mk2 User's Manual for further details.

(9) Click the [Output to Plotter] button to initiate reading of the registration marks. When the marks have been successfully read, cutting is then performed.

CHECKPOINT

See the Cutting Master User's Manual for further details on the "Cutting Master" Illustrator plug-in.

3.2 Using ROBO Master Pro to Perform a Print and Cut Operation (Windows)

(1) In ROBO Master Pro, select the [Edit] menu → "Registration Mark Settings", and then make the registration mark settings.

(2) Create a design within the registration mark area.

(3) Make the cut line and folding line settings.

(4) Print out the design together with the registration marks.

(5) Load the printed sheet in the Craft ROBO Pro.

(6) Use ROBO Master Pro to perform cutting.

CHECKPOINT

- Please see the following section "How to Cut a Template from the ROBO Master Template Collection for an easy-to-follow description of the Print & Cut procedure.
- See the ROBO Master Pro User's Manual for further details on ROBO Master Pro.

How to Cut a Template from the ROBO Master Template Collection

The ROBO Master Template Collection is available on the dedicated Craft ROBO web site (http://www.graphteccorp.com/craftrobo/index.html). This collection provides template data for a wide range of fields. Craft ROBO and Craft ROBO Pro users who have completed the user registration procedure can download all of the data provided on the above web site free of charge.

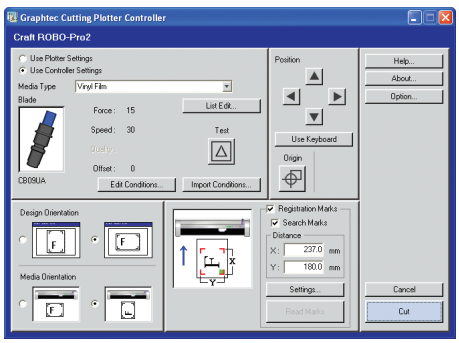
(1) Load the data
Use ROBO Master Pro to load the data.

(2) Check the output image
Select the [File] menu → "Preview", and then switch between the Print and Cut items on the [View] menu to check the output image. Check that all of the registration marks have been printed. If all of the marks have not been printed, select "Registration Mark Settings" from the [Edit] menu to display the [Registration Mark Settings] window. Change the positions of the registration marks as required.

(3) Output the file to the printer
Select the [File] menu → "Output to Printer" to display the [Output to Printer] window. Check that all the details are correct, and then click the [OK] button to perform output on the printer.

(4) Read the registration marks and perform cutting
Load the printed sheet in the Craft ROBO, perform registration mark reading, and then perform cutting.

(a) Launch the Cutting Plotter Controller.
In ROBO Master Pro, select the [File] menu → "Cut Output", and then click the [OK] button in the displayed window. The "Cutting Plotter Controller" is displayed. The Craft ROBO Pro parameters can be easily set using the "Cutting Plotter Controller".



(b) Set the Cutting Conditions
Set the Force, Speed, and other cutting conditions to suit the type of media that you plan to cut (paper or cutting film). Either specify the cutting conditions at the plotter's control panel, or select the media type you plan to use from the Controller. In addition, please refer to the user's manual for your Craft ROBO model for instructions on how to adjust the length of the extended blade. (When you are using a new type of media for the first time, first perform a test cut and then specify the cutting conditions.)

(c) Specify the Design Orientation
Select either the Portrait or Landscape design orientation to match the orientation of the design on the printed sheet.

(d) Specify the Media Orientation
This parameter is used to specify the direction in which the media is loaded. Normally there is no need to change this setting.

CHECKPOINT

With the Craft ROBO Pro, a wider margin is required for the innermost edge of the loaded medium. Use the adhesive area of the carrier sheet provided as a standard accessory as a reference for the margins and the cuttable area.

(e) Load the medium
Load the medium in the direction specified for the Media Orientation parameter, and then raise the media set lever at the rear of the Craft ROBO Pro. The currently loaded media type is displayed on the control panel. Use the ▲ or ▼ **keys** to select SHEET and then press the ↵ **(ENTER) key**.

CHECKPOINT

If the printed sheet is a sheet of cutting film or a medium that comes with its own backing sheet, load the sheet as is. For all other types of media, be sure to affix the printed sheet to the carrier sheet provided before loading it in the Craft ROBO Pro.

(f) Read the registration marks and perform cutting
If the "Registration Marks" and "Search Marks" checkboxes have both been selected, click the [Cut] button. In this case, registration mark reading and cutting are performed in succession. If the "Failed to Read Registration Marks" error message is displayed, move the pen (cutter) to the nearest registration mark and click the "Cut" button once again. If the "Failed to Read Registration Marks" error message is displayed again, click the "Search Marks" checkbox to deselect it, move the pen (cutter) to the nearest registration mark (within the small green square that is shown in the image of the plotter displayed in the lower half of the Controller screen), and click the "Read Marks" button. When the registration marks have been successfully read, click the "Cut" button.

CHECKPOINT

Please refer to the Cutting Plotter Controller User's Manual for further details on the Cutting Plotter Controller functions.

Chapter 4 Carrier Sheet (for Affixing Media for Cutting)

4.1 Outline

Using the carrier sheet (CR09003-A3) enables designs to be cut out of the following media types:

- Media without an adhesive liner (peel-off backing sheet)
- Media without a backing sheet
- Media that is smaller than A3 size

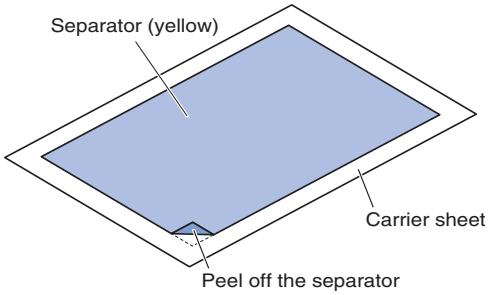
Usage Precautions

- Be sure to use the carrier sheet when cutting around a printed design on the medium to create a cutout.
- The carrier sheet is a reusable adhesive sheet that can be used repeatedly. However, if the carrier sheet become warped or loses its adhesive strength, it can no longer be used. In such cases, please replace it with a new carrier sheet. As a guideline, replace the carrier sheet after cutting 10 sheets. The cutting quality when the same carrier sheet is used for cutting more than 10 sheets is not guaranteed.
- When affixing a medium to the carrier sheet, be sure to press down on it firmly to ensure that it does not float up or peel away from the carrier sheet.
- Make sure that media affixed to the carrier sheet has very little curl. A strongly-curled medium may cause registration mark reading errors to occur, and it may get caught up in the pen carriage.
- Affix only Graphtec-specified media to the carrier sheet. If using commercially-available inkjet media, please note that media that is coated on both sides cannot be used. If the media is coated on one side only, affix the non-coated side to the carrier sheet. If the coated side is affixed, the carrier sheet's adhesive strength will be weakened and may make the carrier sheet unusable.
- If very smooth paper (paper that does not feel rough to the touch) is affixed to the carrier sheet, it will tend to curl up when removed from the carrier sheet. Do not use such media.
- When removing a medium from the carrier sheet after cutting it, be sure to remove it slowly and carefully.
- The adhesive surface of the carrier sheet absorbs moisture easily. To prevent this occurring, do not remove the carrier sheet from its package until just before use.
- After use, reattach the separator that was removed from the adhesive surface prior to use, and then return the carrier sheet to its package for storage.
- For optimum storage, avoid locations where there is high humidity or where the package will be exposed to direct sunlight.

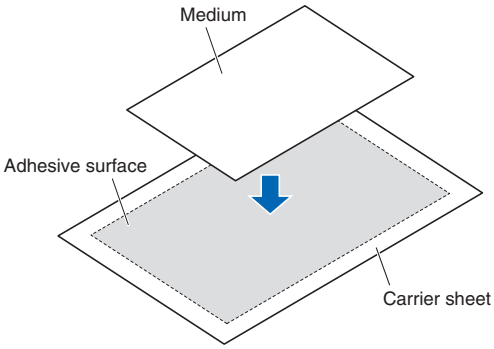
4.2 Loading the Medium

How to load a medium with a width of less than 297mm

(1) Peel off the separator (yellow) from the carrier sheet to expose the adhesive surface. (Do not discard the separator, as it will be used again when the carrier sheet is returned to its package for storage.)



(2) Affix the medium for cutting to the adhesive surface of the carrier sheet, making sure that the edges of the medium are parallel with those of the carrier sheet.

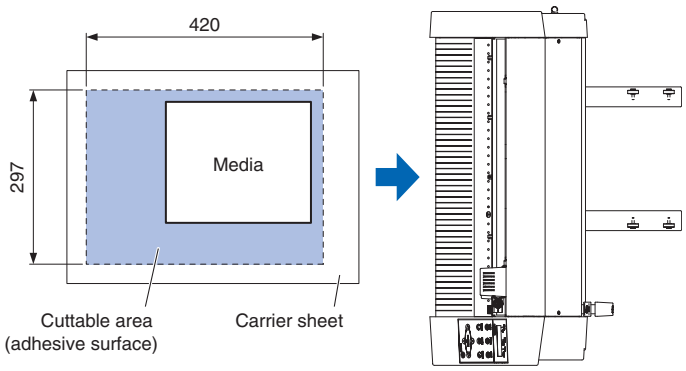


CHECKPOINT

- Do not use media that is smaller than standard postcard size.
- When affixing the medium, take care not to cause any air bubbles or creases.

4.3 Cuttable Area

The cuttable area on the carrier sheet is shown in the diagram below. When loading a medium that is smaller than A3 size in the Craft ROBO Pro, be sure to affix it within the cuttable area (the adhesive surface). Moreover, make sure that the edges of the medium are parallel with the edges of the carrier sheet.



CHECKPOINT

- Do not use media that is smaller than standard postcard size.
- The Craft ROBO Pro recognizes the width of the carrier sheet as the cuttable area. Be sure to load a medium that is the same size as the media setting that was made in the application software.
- Be sure to use the **(ORIGIN) key** to specify the start position of the cutting operation. For further details on how to use the **(ORIGIN) key**, please refer to the CE3000Mk2 User's Manual, or to the Cutting Plotter Controller User's Manual.